

Title (en)
PHOTOCONDUCTIVE CELL

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Application
EP 89903245 A 19890302

Priority
JP 5189188 A 19880304

Abstract (en)
[origin: WO8908329A1] A photoconductive cell comprises a photodetector section, which is composed of an aggregation of tetrapod-like zinc oxide whiskers (4). Each whisker consists of a core and needle-shaped crystals extending in four different directions from the core. Since this novel tetrapod-like zinc oxide whisker (4) consists of single-crystal zinc oxide, it suffers less deterioration. In addition, the single-crystal material is transparent, and has a high porosity. Therefore light tends to enter deep portions of the cell so that it exhibits high sensitivity.

IPC 1-7
H01L 31/08

IPC 8 full level
H01L 31/0264 (2006.01); **C30B 25/00** (2006.01); **H01L 31/0224** (2006.01); **H01L 31/0296** (2006.01); **H01L 31/0352** (2006.01); **H01L 31/036** (2006.01); **H01L 31/08** (2006.01); **H01L 31/09** (2006.01); **H01L 31/18** (2006.01)

CPC (source: EP KR US)
C30B 25/005 (2013.01 - EP US); **C30B 29/16** (2013.01 - EP US); **H01L 31/0224** (2013.01 - EP US); **H01L 31/0296** (2013.01 - EP US); **H01L 31/0352** (2013.01 - EP US); **H01L 31/036** (2013.01 - EP US); **H01L 31/08** (2013.01 - KR); **H01L 31/09** (2013.01 - EP US); **H01L 31/1828** (2013.01 - EP US); **Y02E 10/543** (2013.01 - US)

Citation (examination)
EP 0325797 A1 19890802 - MATSUSHITA ELECTRIC IND CO LTD [JP]

Cited by
US7432577B1; EP1087446A3; EP0709070A3; WO0127571A3; US6649824B1; US7087831B2

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